



A.D. 1854 N° 574.

S P E C I F I C A T I O N

OF

SIMEON MOSELY.

ARTIFICIAL PALATES.

LONDON:

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1854.



A.D. 1854 N° 574.

Artificial Palates.

LETTERS PATENT to Simeon Mosely, of Hull, in the County of York, Surgeon Dentist, for the Invention of “**IMPROVEMENTS IN THE MANUFACTURE OF ARTIFICIAL PALATES FOR THE ADAPTATION OF ARTIFICIAL TEETH.**”

Sealed the 8th September 1854, and dated the 10th March 1854.

PROVISIONAL SPECIFICATION left by the said Simeon Mosely at the Office of the Commissioners of Patents, with his Petition, on the 10th March 1854.

I, SIMEON MOSELY, of Hull, in the County of York, Surgeon Dentist, do
5 hereby declare the nature of the said Invention for “**IMPROVEMENTS IN THE
MANUFACTURE OF ARTIFICIAL PALATES FOR THE ADAPTATION OF ARTIFICIAL TEETH,**”
to be as follows:—

This Invention consists in so forming artificial palates or plates to which
artificial teeth are affixed as that they adapt themselves readily to the roof of
10 the mouth of the persons to whom they are to be fitted, and the principal
feature in this Invention consists in forming such said palates with a series of
small indentations of different depths; that is to say, those indentations which
are at the middle of the palate are formed considerably deeper than the sur-
rounding ones. The object and intention of thus forming the palates is to
15 encrease the surface of the air cells produced by such indentations, and at the

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same time to distribute the pressure over the entire surface of the roof of the mouth instead of effecting the adhesion of the artificial palate by causing pressure upon any one part of the mouth in particular as heretofore generally practised in constructing artificial palates.

SPECIFICATION in pursuance of the conditions of the Letters Patent, filed 5
by the said Simeon Mosely in the Great Seal Patent Office on the
9th September 1854.

TO ALL TO WHOM THESE PRESENTS SHALL COME, I, SIMEON
MOSELY, of Hull, in the County of York, Surgeon Dentist, send greeting.

WHEREAS Her most Excellent Majesty Queen Victoria, by Her Letters 10
Patent, bearing date the Tenth day of March, in the year of our Lord One
thousand eight hundred and fifty-four, in the seventeenth year of Her reign,
did, for Herself, Her heirs and successors, give and grant unto me, the
said Simeon Mosely, Her special licence that I, the said Simeon Mosely, my
executors, administrators, and assigns, or such others as I, the said Simeon 15
Mosely, my executors, administrators, and assigns, should at any time agree
with, and no others, from time to time and at all times thereafter during the
term therein expressed, should and lawfully might make, use, exercise, and
vend, within the United Kingdom of Great Britain and Ireland, the Channel
Islands, and Isle of Man, an Invention for "**IMPROVEMENTS IN THE MANUFACTURE 20**
OF ARTIFICIAL PALATES FOR THE ADAPTATION OF ARTIFICIAL TEETH," upon the con-
dition (amongst others) that I, the said Simeon Mosely, by an instrument in
writing under my hand and seal, should particularly describe and ascertain the
nature of the said Invention, and in what manner the same was to be per-
formed, and cause the same to be filed in the Great Seal Patent Office 25
within six calendar months next and immediately after the date of the said
Letters Patent.

NOW KNOW YE, that I, the said Simeon Mosely, do hereby declare
the nature of the said Invention, and in what manner the same is to be per-
formed, to be particularly described and ascertained in and by the following 30
statement thereof (that is to say):—

My Invention consists in so forming artificial palates or plates to which artifi-
cial teeth are to be affixed as that they adapt themselves readily to the roofs of
the mouths of persons to whom they are to be fitted; and the principal feature
in my said Invention consists in forming such said palates with a series of small 35

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indentations of different depths ; that is to say, those indentations which are at the middle of the palate are formed considerably deeper than the surrounding ones. The object and intention of thus forming the palates is to encrease the surface of the air cells produced by such indentations, and at the same time to dis-
5 tribute the pressure over the entire surface of the roof of the mouth instead of effecting the adhesion of the artificial palate by causing pressure upon any one part of the mouth in particular as heretofore generally practised in constructing artificial palates. And in order to explain my said Invention as completely as possible, I will now proceed to describe the best means I am acquainted with
10 for carrying the same into practical effect ; that is to say, I first take an impression or cast of the form of the mouth to be fitted with the metal palate, which I make of corresponding shape to the said cast by striking up a piece of gold, silver, platinum, or other precious metal by any of the means in known and common use for shaping articles in sheet metal, or any combination of the said precious
15 metals alloyed with other metals, in the manner usually practised ; and I attach the artificial teeth to such said palate by forming holes in the plate, and rivetting or soldering thereinto the pin to which the tooth is affixed, or by any other suitable and convenient means ; and if necessary, I strengthen the edges of the palate by making such parts thicker than the other parts of the plate of
20 which the palate is formed. And further, if desirable, a piece of thin india-rubber or caoutchouc of the same size as the metal plate, and punctured with holes corresponding to the indentations in the metal palate, may be employed to assist in effecting perfect adhesion of the palate to the roof of the mouth as the air is exhausted from the air cells or indentations in the before-mentioned
25 metal plate or palate. And I would here remark that my Invention is equally applicable to the manufacture of artificial palates formed or carved from the tooth of the hippopotamus or sea horse, and such other natural ivories as are commonly employed in and for the manufacture of artificial teeth and palates, observing that in using such material for the purposes of my said Invention, the
30 air cells or indentations are formed by carving the ivory at such said parts.

Having now described the nature and object of my said Invention of “Improvements in the Manufacture of Artificial Palates for the Adaptation of Artificial Teeth,” and the best means I am acquainted with for carrying the same into practical effect, I would remark, in conclusion, that I do not claim
35 the exclusive use of any of the materials above mentioned and referred to, except in so far as the same may be employed in combination and for the purposes of my said Invention ; neither do I claim the making of metal palates with air cells or chambers, as I am aware of the same having already

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been practised in the construction of artificial palates. But I do claim as of my Invention, the constructing of artificial palates in the manner herein-before particularly described and set forth, as being more efficient than the means hitherto practised of constructing artificial palates.

In witness whereof, I, the said Simeon Mosely, have hereunto set my 5
hand and seal, this Seventh day of September, in the year of our Lord
One thousand eight hundred and fifty-four.

SIMEON MOSELY. (L.S.)

Witness,

BENJAMIN MOSELY,

15, Whitfriars Gate, Hull.

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LONDON:

Printed by GEORGE EDWARD EYRE and WILLIAM SPOTTISWOODE,
Printers to the Queen's most Excellent Majesty. 1854.